

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Burrell et al  
Serial No. : Not Yet Assigned  
Filed :  
Title : LUBRICIOUS COATINGS FOR SUBSTRATES

Art Unit : Unknown  
Examiner : Unknown

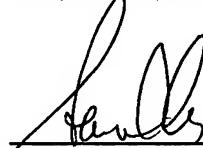
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicant submits the attached form PTO-1449, listing documents of record in the parent application(s). Please confirm that these have been considered in this application by returning a copy of the Form PTO 1449 with the examiner's initials.

This statement is being filed with the application. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,



Sean P. Daley  
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February 5, 2004  
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Form PTO - 1449

U.S. DEPT. OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

ATTY. DKT. NO.

14072-012001

SERIAL NO.

10/131,513

APPLICANT

Burrell et al.

FILING DATE

April 23, 2002

GROUP

1616

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
AA	5,770,255	06/23/98	Burrell et al.	427	2.1	09/29/93
AB	6,123,925	09/26/00	Barry et al.	424	49	07/27/98
AC	6,126,931	10/03/00	Sawan et al.	424	78.09	09/11/98
AD	6,187,290	02/13/01	Gilchrist et al.	424	45	12/05/95
AE	6,224,898	05/01/01	Balogh et al.	424	445	03/23/00
AF	2001/0010016	07/26/01	Modak et al.	623	1.42	02/05/01
AG	2002/0016585	02/07/02	Sachse	604	544	07/30/01
AH	2002/0025344	02/28/02	Newman et al.	424	618	02/28/01
AI	2002/0045049	04/18/02	Madsen	428	423.3	06/19/98

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation
AJ	WO 93/23092	11/25/93	PCT	A61L	29/00	
AK	WO 95/13704	05/26/95	PCT	A01N	59/16	
AL	WO 98/41095	09/24/98	PCT	A01N	59/00	
AM	WO 00/30697	06/02/00	PCT	A61L	29/10	
AN	WO 00/44414	08/03/00	PCT	A61L	27/50	
AO	WO 00/64505	11/02/00	PCT	A61L	27/02	
AP	WO 00/64506	11/02/00	PCT	A61L	31/02	
AQ	WO 00/78281	12/28/00	PCT	A61K	7/48	
AR	WO 00/78282	12/28/00	PCT	A61K	7/48	
AS	WO 01/24839	04/12/01	PCT	A61L	15/22	
AT	WO 01/26627	04/19/01	PCT	A61K	9/127	
AU	WO 01/27365	04/19/01	PCT	D01H	4/28	
AV	WO 01/34686	05/17/01	PCT	C08J	9/00	

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## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
AA	WO 01/41774	06/14/01	PCT	A61K	31/78		
AB	WO 01/41819	06/14/01	PCT	A61L	15/28		No
AC	WO 01/74300	10/11/01	PCT	A61K	6/00		
AD	WO 02/15698	02/28/02	PCT	A01N	59/16		
AE	WO 02/18003	03/07/02	PCT	A61M	25/00		
AF	WO 02/18699	03/07/02	PCT	D06M	11/83		No
AG	CN1241662	01/19/00	China	D06M	11/83		
AH	CN1279222	01/10/01	China	C04B	41/85		
AI	CN1291666	04/18/01	China	D06M	11/58		
AJ	CN1291667	04/18/01	China	D06M	13/144		
AK	CN1306117	08/01/01	China	D06M	11/58		
AL	CN1322474	11/21/01	China	A01N	59/16		
AM	CN1322874	11/21/01	China	D06M	11/83		
AN	CN1328819	01/02/02	China	A61K	9/70		
AO	CN1328827	01/02/02	China	A61K	33/38		

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AP	Merle E. Olson et al "Healing of Porcine Donor Sites Covered with Silver-Coated Dressings", Eur J Surg 2000; 166: 486-489
AQ	John A. Thornton "Influence of Apparatus Geometry and Deposition Conditions on the Structure and Topography of Thick Sputtered Coatings", J. Vac. Sci. Technol. Vol 11, No.4 July/Aug, 1974 p. 666-670.

EXAMINER

Date Considered

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 14072-012001	Application No. 10/131,513
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Burrell et al		
		Filing Date April 23, 2002	Group Art Unit 1616	

<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,294,186	09/25/01	Beerse et al.			
	AB	4,828,832	05/09/89	De Cuellar et al.			

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	AC	WO 02/09729 A2	02/07/02	WIPO			
	AD	WO 01/49301	07/12/01	WIPO			
	AE	WO 01/49303 A1	07/12/01	WIPO			
	AF	WO 01/26627	04/19/01	WIPO			
	AG	JP 2000 327578 A	11/28/00	Japan (abstract only)			X
	AH	JP 2000 327578 A	11/28/00	Japan (full document)			X
	AI	WO 00/27390	05/18/00	WIPO			
	AJ	HU 980078A	09/28/99	Hungary (abstract only)			X
	AK	JP 11 124335 A	05/11/99	Japan (abstract only)			X
	AL	JP 11 124335 A	05/11/99	Japan (full document)			X
	AM	JP 11 116488 A	04/27/99	Japan (abstract only)			X
	AN	JP 11 116488 A	04/27/99	Japan (full document)			X
	AO	JP 11 060493A	03/02/99	Japan (abstract only)			X
	AP	JP 11 116488 A	04/27/99	Japan (full document)			X
	AQ	DE 195 41 735 A1	05/15/97	Germany (full document)			X
	AR	DE 195 41 735 A1	05/15/97	Germany (full document)			X
	AS	WO 96/17595	06/13/96	WIPO			
	AT	0 681 841 A1	11/15/95	EP			
	AU	JP 04244029A	09/01/92	Japan (abstract only)			X

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Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	AV	JP 04244029A	09/01/92	Japan (full document)			X
	AW	WO 89/09054	10/05/89	WIPO			
	AX	1,270,410	04/12/72	United Kingdom			

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	AY	Burrell, et al. "Efficacy of Silver-Coated Dressings as Bacterial Barriers in a Rodent Burn Sepsis Model" <i>Wounds</i> 1999; 11(4): 64-71
	AZ	Demling, et al., "The Role of Silver in Wound Healing: Effects of Silver on Wound Management," <i>Wounds</i> , Volume 13, Number 1, January/February 2001 Supplement A; pp. 5-14
	AAA	Djokic et al., "An Electrochemical Analysis of Thin Silver Films Produced by Reactive Sputtering", <i>Journal of The Electrochemical Society</i> , 148 (3) C191-C196 (2001)
	ABB	Kirsner et al., "The Role of Silver in Wound Healing Part 3: Matrix Metalloproteinsases in Normal and Impaired Wound Healing: A Potential Role of Nanocrystalline Silver", <i>Wounds</i> Vol. 13, Number 3. May/June 2001, Supplement C, pp. 5-11
	ACC	Olson et al., "Healing of Porcine Donor sites Covered with Silver-coated Dressings" * <i>Eur J Surg</i> 2000; 166: 486-489
	ADD	Ovington, "The Role of Silver in Wound Healing: Why is Nanocrystalline Silver Superior? Nanocrystalline Silver: Where the Old and Familiar Meets a New Frontier," <i>Wounds</i> , Volume 13, Number 2, March/April 2001, Supplement B; pp. 5-10
	AEE	Sant et al., "Novel duplex antimicrobial silver films deposited by magnetron sputtering", <i>Philosophical Magazine Letters</i> , 2000, Vol. 80, No. 4, 249-256
	AFF	Tredget, "Evaluation of Wound Healing using Silver Dressing", February 22, 1996
	AGG	Tredget et al., "A Matched-Pair, Randomized Study Evaluating the Efficacy and Safety of Acticoat* Silver-Coated Dressing for the Treatment of Burn Wounds," <i>Journal of Burn Care &amp; Rehabilitation</i> November/December 1998; 19:531-7
	AHH	Voigt, et al., "The Use of Acticoat as Silver Impregnated Telfa Dressings in a Regional Burn and Wound Care Center: The Clinicians View," <i>Wounds</i> , Volume 13, Number 2, March/April 2001, Supplement B; pp. 11-20
	AII	Wright et al., "Early healing events in a porcine model of contaminated wounds: effects of nanocrystalline silver on matrix metalloproteinases, cell apoptosis, and healing" <i>Wound Repair and Regeneration</i> 2002; 10:141-151
	AJJ	Wright, et al., "The Comparative Efficacy of Two Antimicrobial Barrier Dressings: In-vitro Examination of Two Controlled Release of Silver Dressings" <i>Wounds</i> Vol. 10, Number 6 November/December 1998, pp. 179-188
	AKK	Wright, et al., "Efficacy of topical silver against fungal burn wound pathogens", <i>AJIC</i> Vol. 27, No. 4, August 1999
	ALL	Wright, et al., "Wound Management in an era of increasing bacterial antibiotic resistance: A role for topical silver treatment," <i>AJIC</i> Vol. 26, No. 6; pp. 572-577 December 1998

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<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	AMM	Yin et al., "Comparative Evaluation of the Antimicrobial Activity of ACTICOAT* Antimicrobial Barrier Dressing" <i>Journal of Burn Care &amp; Rehabilitation</i> , Vol. 20, Number 3 May/June 1999
	ANN	Yin, et al., "Effect of Acticoat Antimicrobial Barrier Dressing on Wound Healing and Graft Take", <i>Burn Care &amp; Rehabilitation</i> , part 2 Jan/Feb 1999

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U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	If Appropriate
	AA	2002/0192298 A1	12/19/02	Burrell et al.			
	AB	2002/0051824 A1	05/02/02	Burrell et al.			
	AC	6,333,093	12/25/01	Burrell et al.			
	AD	6,238,686	05/29/01	Burrell et al.			
	AE	6,017,553	01/25/00	Burrell et al.			
	AF	5,985,308	11/16/99	Burrell et al.			
	AG	5,958,440	09/28/99	Burrell et al.			
	AH	5,848,995	12/15/98	Walder			
	AI	5,837,275	11/17/98	Burrell et al.			
	AJ	5,770,258	06/23/98	Takizawa			
	AK	5,753,251	05/19/98	Burrell et al.			
	AL	5,681,575	10/28/97	Burrell et al.			
	AM	5,454,886	10/03/95	Burrell et al.			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	AN	02/09729	02/07/02	WIPO			
	AO	01/80920	11/01/01	WIPO			
	AP	01/68179 A1	09/20/01	WIPO			
	AQ	01/49301	07/12/01	WIPO			
	AR	2000327578	11/28/00	JP (full document)			X
	AS	2000327578	11/28/00	JP (abstract only)			X
	AT	00/27390	05/18/00	WIPO			
	AU	0 328 421 A2	08/16/99	EP			
	AV	11124335	05/11/99	JP (full document)			X
	AW	11124335	05/11/99	JP (abstract only)			X
	AX	11116488	04/27/99	JP (full document)			X

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<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	AY	11116488	04/27/99	JP (abstract only)			X
	AZ	11060493	03/02/99	JP (full document)			X
	AAA	11060493	03/02/99	JP (abstract only)			X
	ABB	98/41095	09/24/98	WIPO			
	ACC	0681841	11/15/95	EP			
	ADD	95/13704	05/26/95	WIPO			
	AEE	93/23092	11/25/93	WIPO			

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	AFF	Sant et al., "Morphology of Novel Antimicrobial Silver Films Deposited By Magnetron Sputtering" <i>Scripta Materialia</i> , Vol. 41, No. 12, pp. 1333-1339, November 19, 1999

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<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,365,130	04/02/02	Barry et al.			
	AB	2002/0001628	01/03/02	Ito			
	AC	6,277,169	08/21/01	Hampden-Smith et al.			
	AD	6,258,385	07/10/01	Antelman			
	AE	6,201,164	03/13/01	Wulff et al.			
	AF	6,197,351	03/06/01	Neuwirth			
	AG	6,165,440	12/26/00	Esenaliev			
	AH	6,096,002	08/01/00	Landau			
	AI	6,071,543	06/06/00	Thornfeldt			
	AJ	6,071,541	06/06/00	Murad			
	AK	6,022,547	02/08/00	Herb et al.			
	AL	6,013,050	01/11/00	Bellhouse et al.			
	AM	6,010,478	01/04/00	Bellhouse et al.			
	AN	5,981,822	11/09/99	Addison			
	AO	5,945,032	08/31/99	Breitenbach et al.			
	AP	5,899,880	05/04/99	Bellhouse et al.			
	AQ	5,895,419	04/20/99	Tweden et al.			
	AR	5,792,793	08/11/98	Oda et al.			
	AS	5,744,151	04/28/98	Capelli			
	AT	5,631,066	05/20/97	O'Brien			
	AU	5,578,073	11/26/96	Haimovich et al.			
	AV	5,569,207	10/29/96	Gisselberg et al.			
	AW	5,563,132	10/08/96	Bodaness			
	AX	5,534,288	07/09/96	Gruskin et al.			
	AY	5,520,639	05/28/96	Peterson et al.			
	AZ	5,457,015	10/10/95	Boston			
	AAA	5,454,889	10/03/95	McNicol et al.			

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<b>U.S. Patent Documents</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ABB	5,399,163	03/21/95	Peterson et al.			
	ACC	5,383,851	01/24/95	McKinnon, Jr. et al.			
	ADD	5,372,589	12/13/94	Davis			
	AEE	5,369,155	11/29/94	Asmus			
	AFF	Des. 349,958	08/23/94	Hollis et al.			
	AGG	5,312,335	05/17/94	McKinnon et al.			
	AHH	5,270,358	12/14/93	Asmus			
	AII	5,236,421	08/17/93	Becher			
	AJJ	5,143,717	09/01/92	Davis			
	AKK	5,122,418	06/16/92	Nakane et al.			
	ALL	5,064,413	11/12/91	McKinnon et al.			
	AMM	5,019,096	05/28/91	Fox, Jr. et al.			
	ANN	4,960,413	10/02/90	Sagar et al.			
	AOO	4,952,411	08/28/90	Fox, Jr. et al.			
	APP	4,847,049	07/11/89	Yamamoto			
	AQQ	4,803,066	02/07/89	Edwards			
	ARR	4,790,824	12/13/88	Morrow et al.			
	ASS	4,749,572	06/07/88	Ahari			
	ATT	4,633,863	01/06/87	Filips et al.			
	AUU	4,596,556	06/24/86	Morrow et al.			
	AVV	4,581,028	04/08/86	Fox, Jr. et al.			
	AWW	4,476,590	10/16/84	Scales et al.			
	AXX	4,355,636	10/26/82	Oetjen et al.			
	AYY	4,324,237	04/13/82	Buttaravoli			
	AZZ	4,059,105	11/22/77	Citruzzula et al.			
	AAAA	3,918,446	11/11/75	Buttaravoli			
	ABBB	3,800,792	04/02/74	McKnight et al.			

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	ACCC	3,757,786	09/11/73	Smith			

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	ADDD	02/44625	06/06/02	WIPO			
	AEEE	1 159 972	12/05/01	EP			
	AFFF	01/70052	09/27/01	WIPO			
	AGGG	01/49115	07/12/01	WIPO			
	AHHH	01/49302	07/12/01	WIPO			
	AIII	01/43788	06/21/01	WIPO			
	AJJJ	01/15710	03/08/01	WIPO			
	AKKK	CN1262093	08/09/00	CN (full document)			X
	ALLL	CN1262093	08/09/00	CN (abstract only)			X
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	AOOO	0780138	06/25/97	EP			
	APPP	0 599 188	06/01/94	EP			
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	ARRR	CN1082645	02/23/94	CN (abstract only)			X
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	ATTT	022309	12/06/90	IT (full document)			X
	AUUU	022309	12/06/90	IT (full translation)			X
	AVVV	0 378 147	07/18/90	EP			
	AWWW	0 355 009	02/21/90	EP			
	AXXX	3807944	09/21/89	DE (full document)			X
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	AZZZ	0 356 060	08/07/89	EP			

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	AAAAA	0 254 413	01/27/88	EP			
	BBBBB	87/07251	12/03/87	WIPO			
	CCCCC	0 136 768	04/10/85	EP			
	DDDDD	60-21912	02/04/85	JP (full document)			X
	EEEEEE	60-21912	02/04/85	JP (abstract only)			X
	FFFFF	Sho 58-126910	02/04/85	JP (full document)			X
	GGGGG	Sho 58-126910	02/04/85	JP (abstract only)			X
	AHHHH	2 140 684	12/05/84	UK			
	AIIII	2 073 024	10/14/81	UK			
	AJJJJ	2748882	05/03/79	DE (full document)			X
	AKKKK	2748882	05/03/79	DE (abstract only)			X
	ALLLL	965,010	07/29/64	GB			
	AMMMM	427,106	4/16/35	UK			
	ANNNN	420,052	11/23/34	UK			

<b>Other Documents (include Author, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	AOOOO	Shigemasa et al., "Applications of Chitin and Chitosan for Biomaterials" <i>Biotechnology &amp; Genetic Engineering Reviews</i> Vol. 13 (14) pp. 383-420
	APPPP	Thornton, "Deposition Technologies for Films and Coatings: Coating Deposition by Sputtering" <i>Materials Science Series 5</i> pp. 170-243 1982

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 14072-012001	Application No. 10/131,513
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))				Applicant Burrell et al	
				Filing Date April 23, 2002	Group Art Unit 1616

<b>Foreign Patent Documents or Published Foreign Patent Applications</b>							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	AA	00/24946	5/4/00	WIPO			
	AB	62185807	8/14/87	EP			
	AC	0 081 599	6/22/83	EP			

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 14072-012002	Application No. Not Yet Assigned
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))		Applicant Burrell et al			
		Filing Date February 4, 2004	Group Art Unit		

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	6,312,643	11/2001	Upadhyा et al.			
	AB	2002/0014406	02/2002	Takashima			
	AC	6,544,357	04/2003	Hehmann et al.			
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	AL						
	AM						
	AN						
	AO						
	AP						

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AQ	
	AR	
	AS	
	AT	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	